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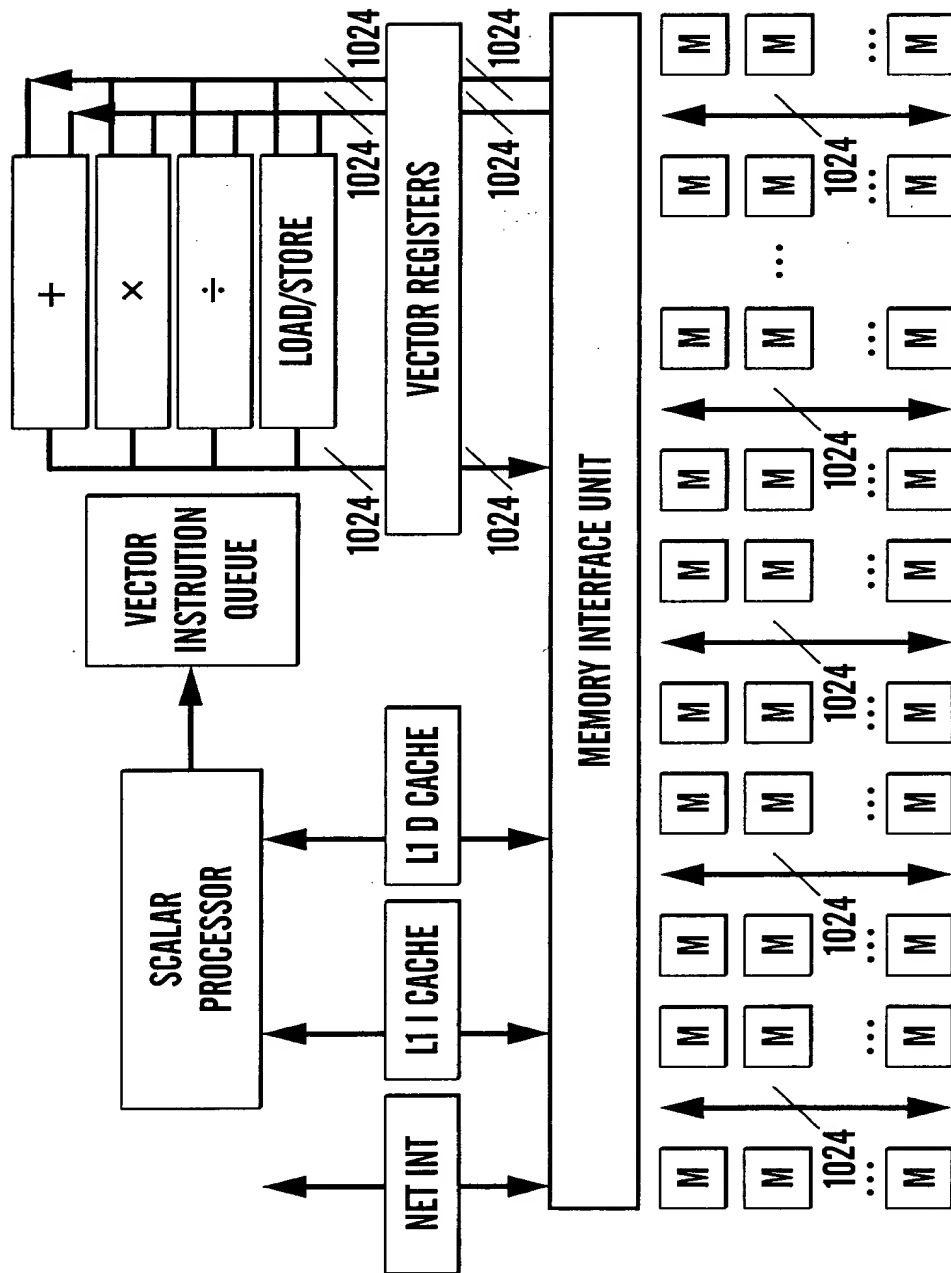


Fig.1

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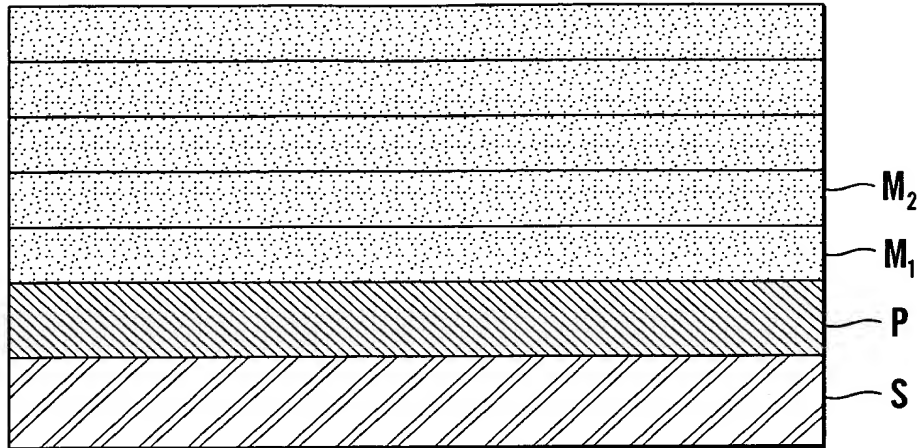


Fig. 2

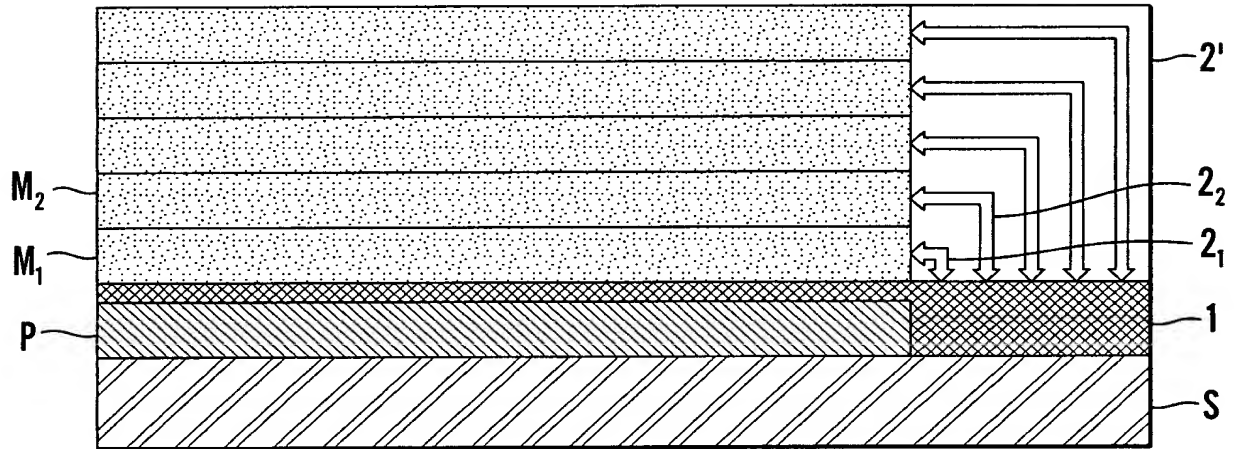


Fig. 3

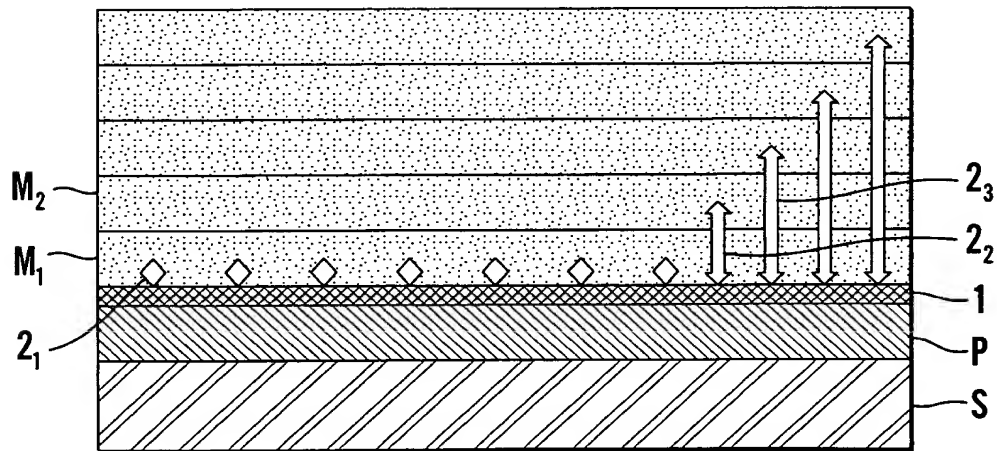


Fig. 4

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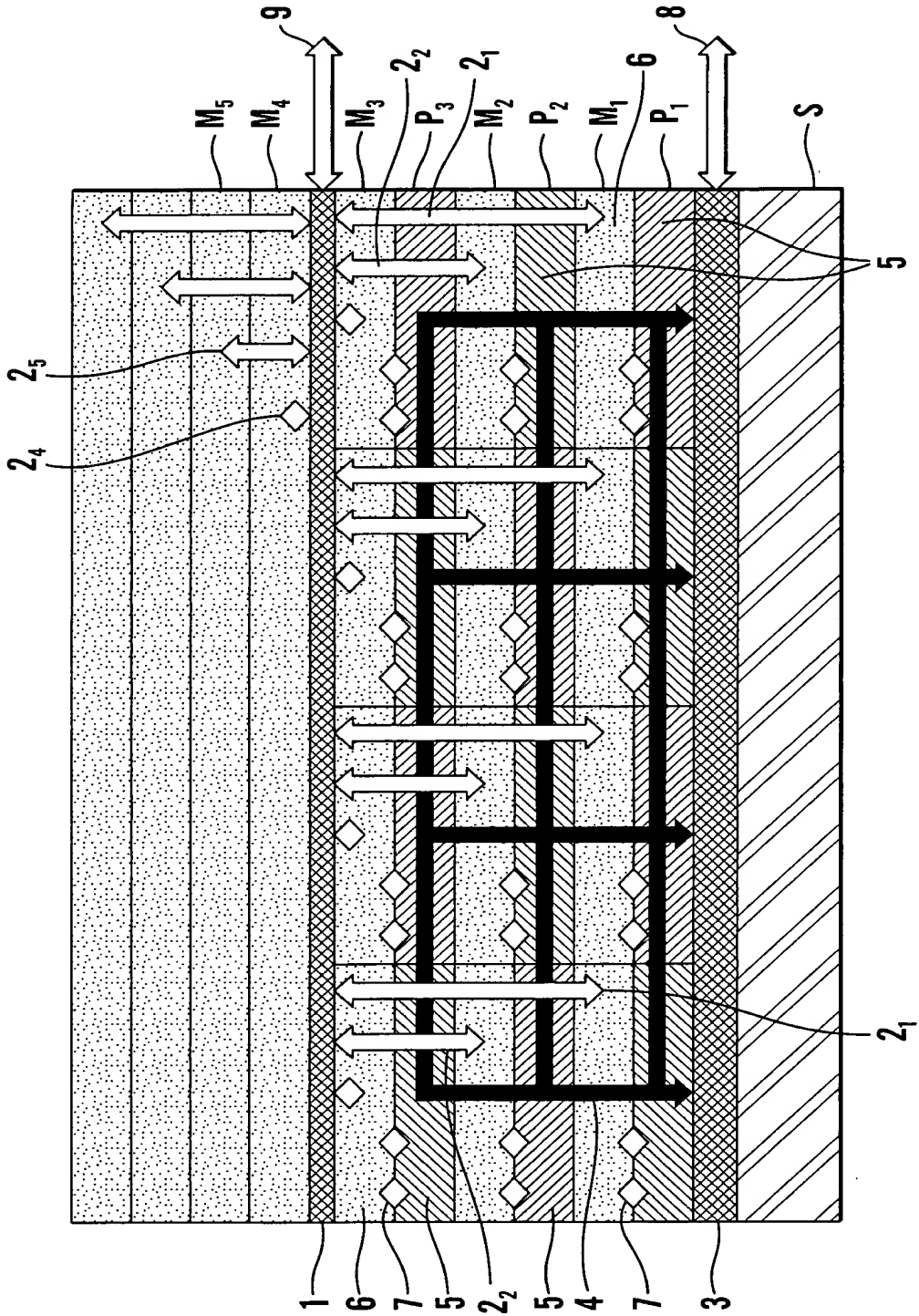


Fig. 5



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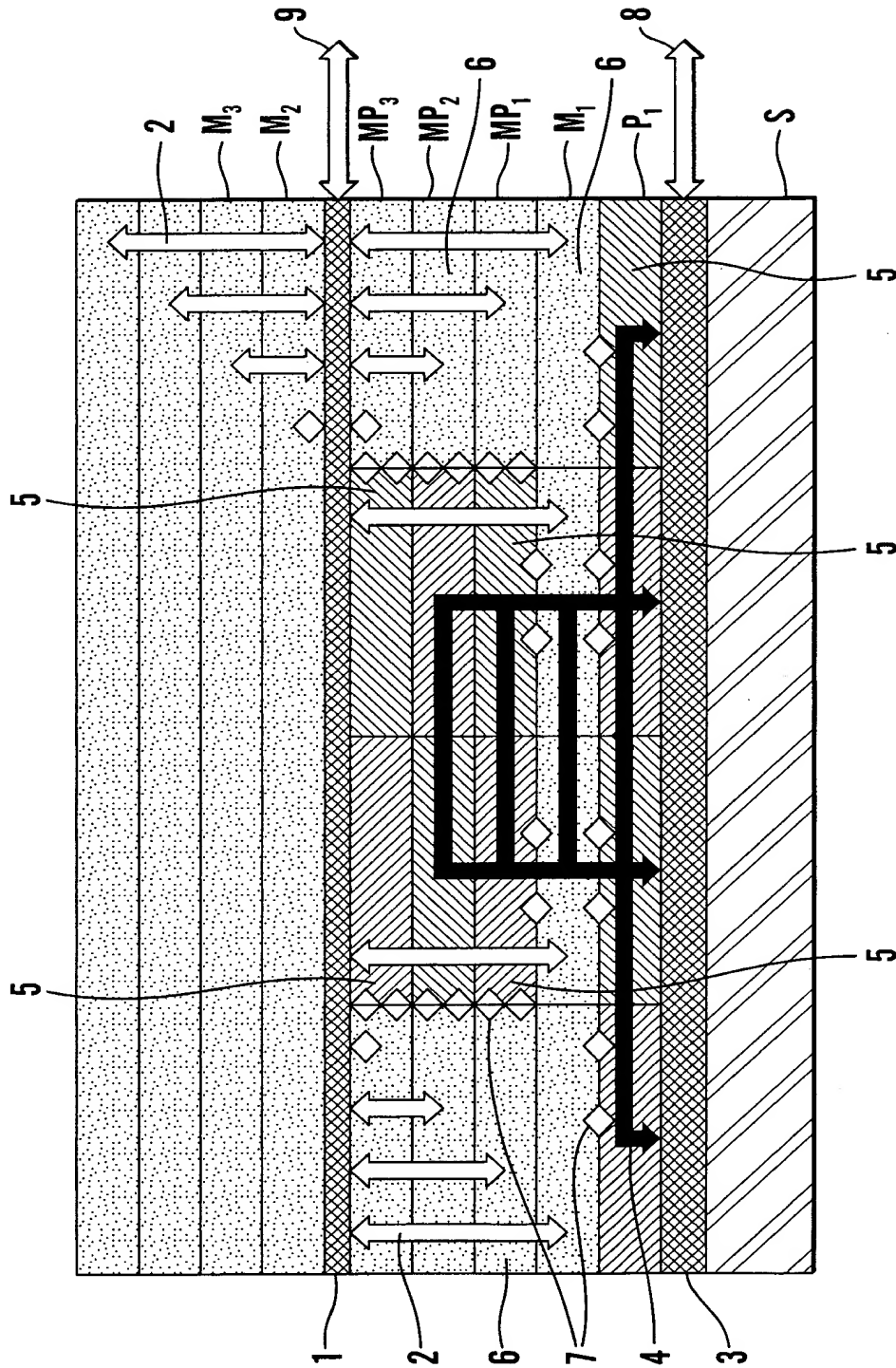


Fig. 6



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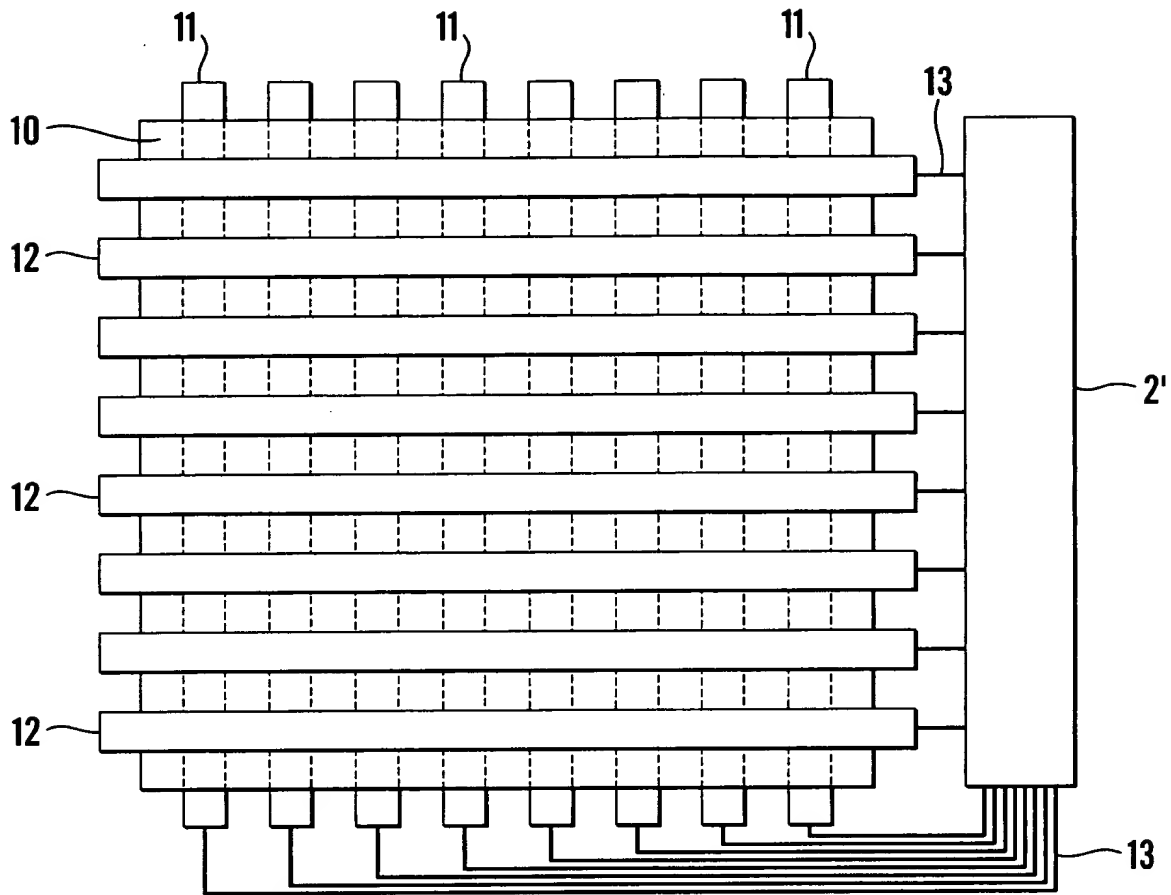


Fig. 7a

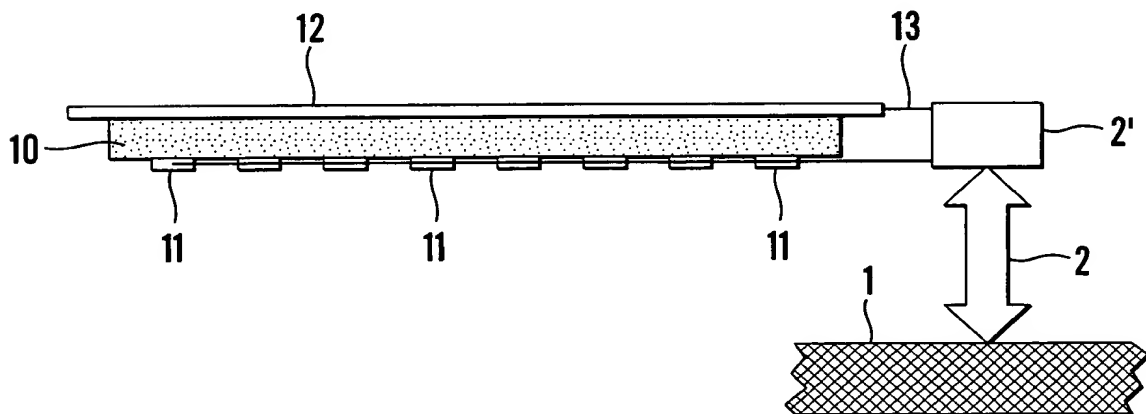


Fig. 7b



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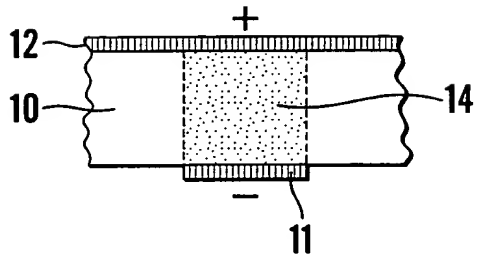


Fig. 7c

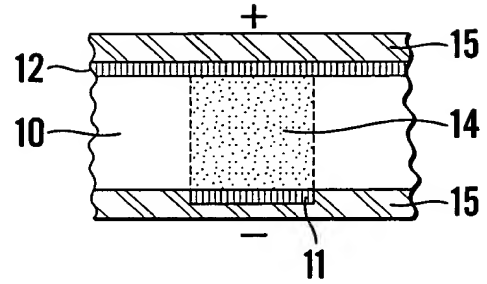


Fig. 7d

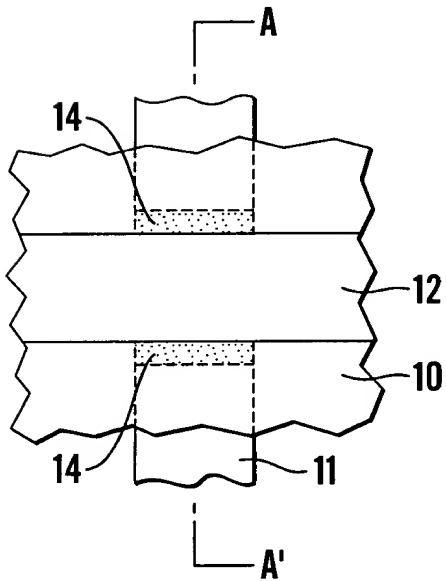


Fig. 7e

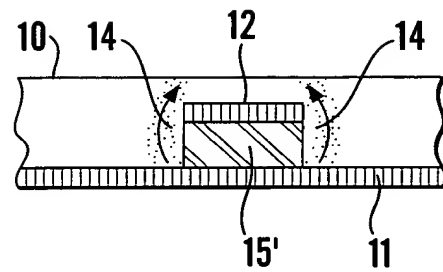


Fig. 7f

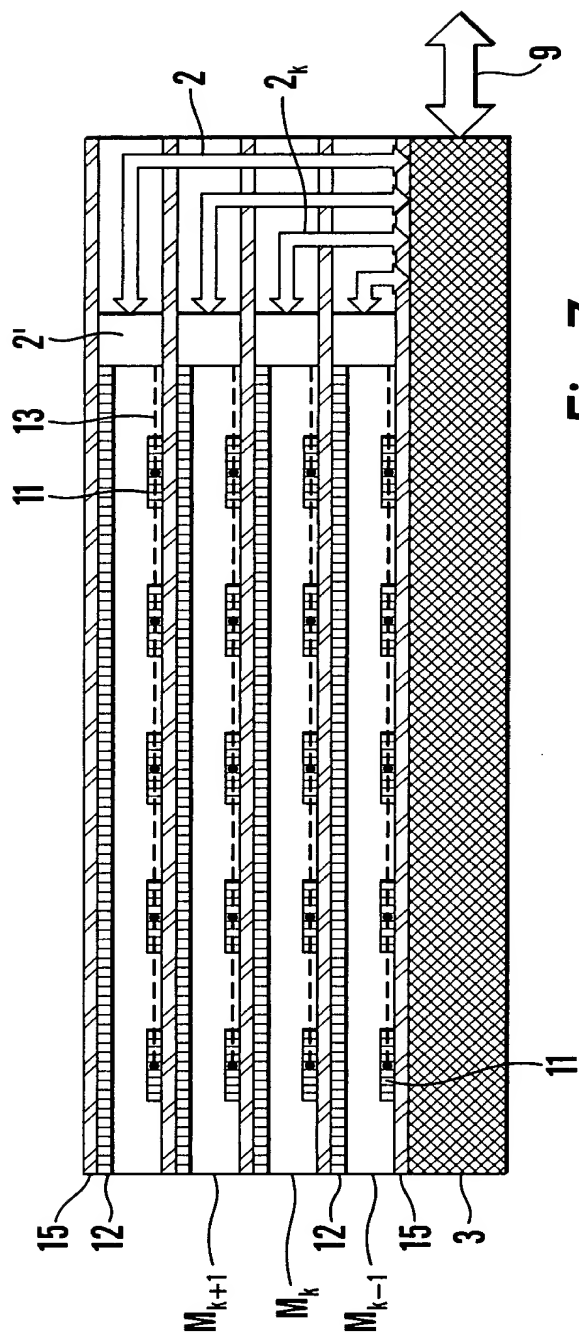


Fig. 7g

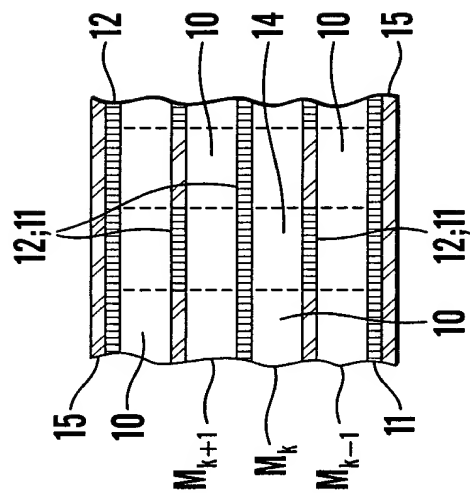


Fig. 7h



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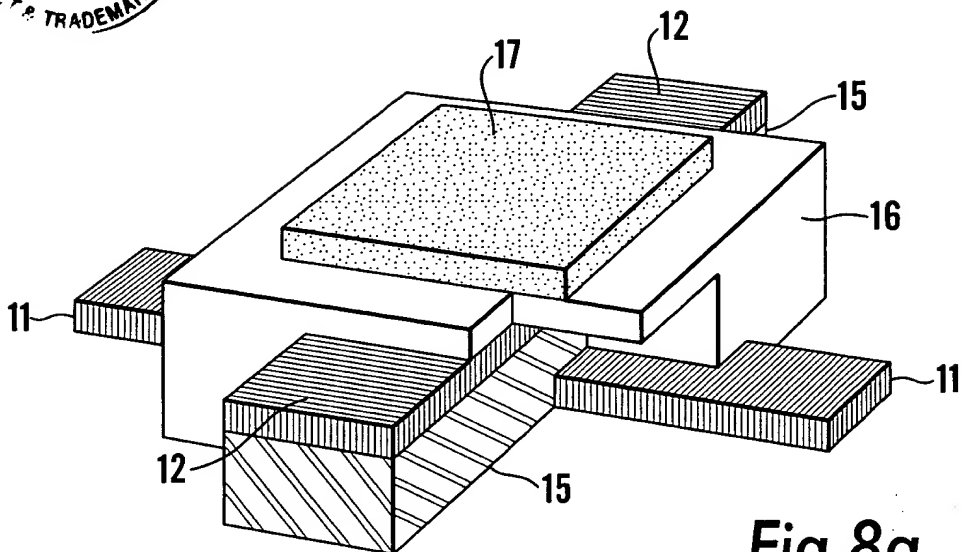


Fig. 8a

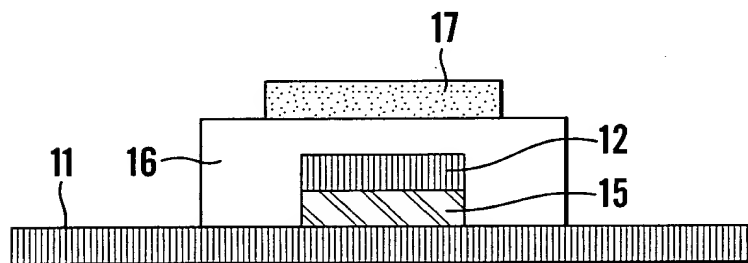


Fig. 8b

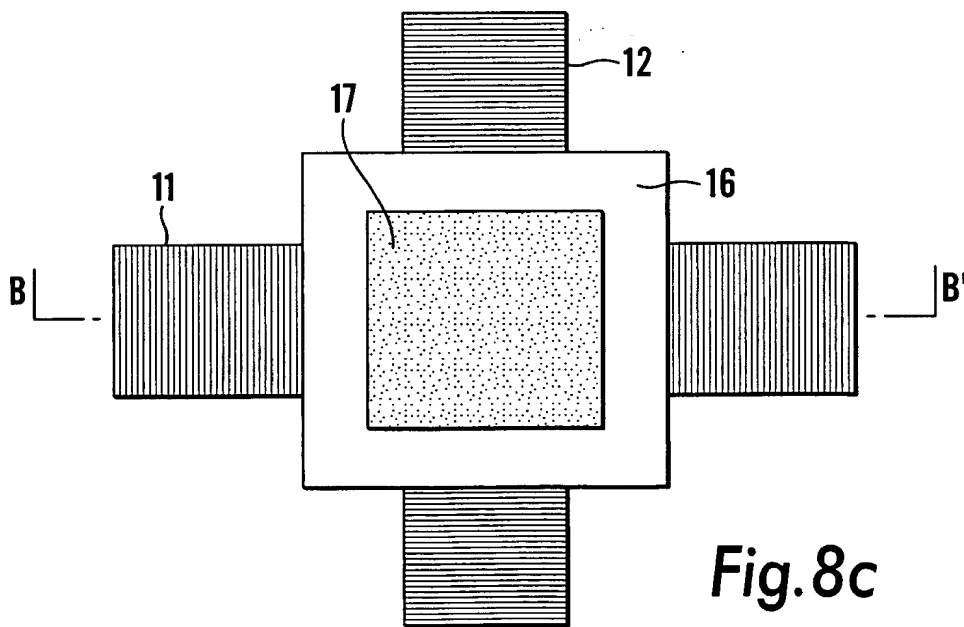


Fig. 8c



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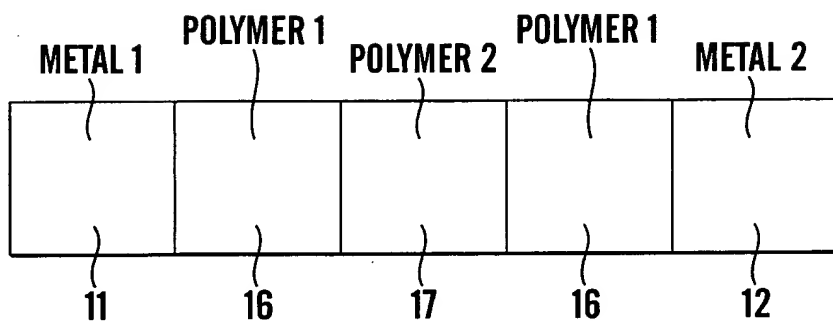


Fig. 9

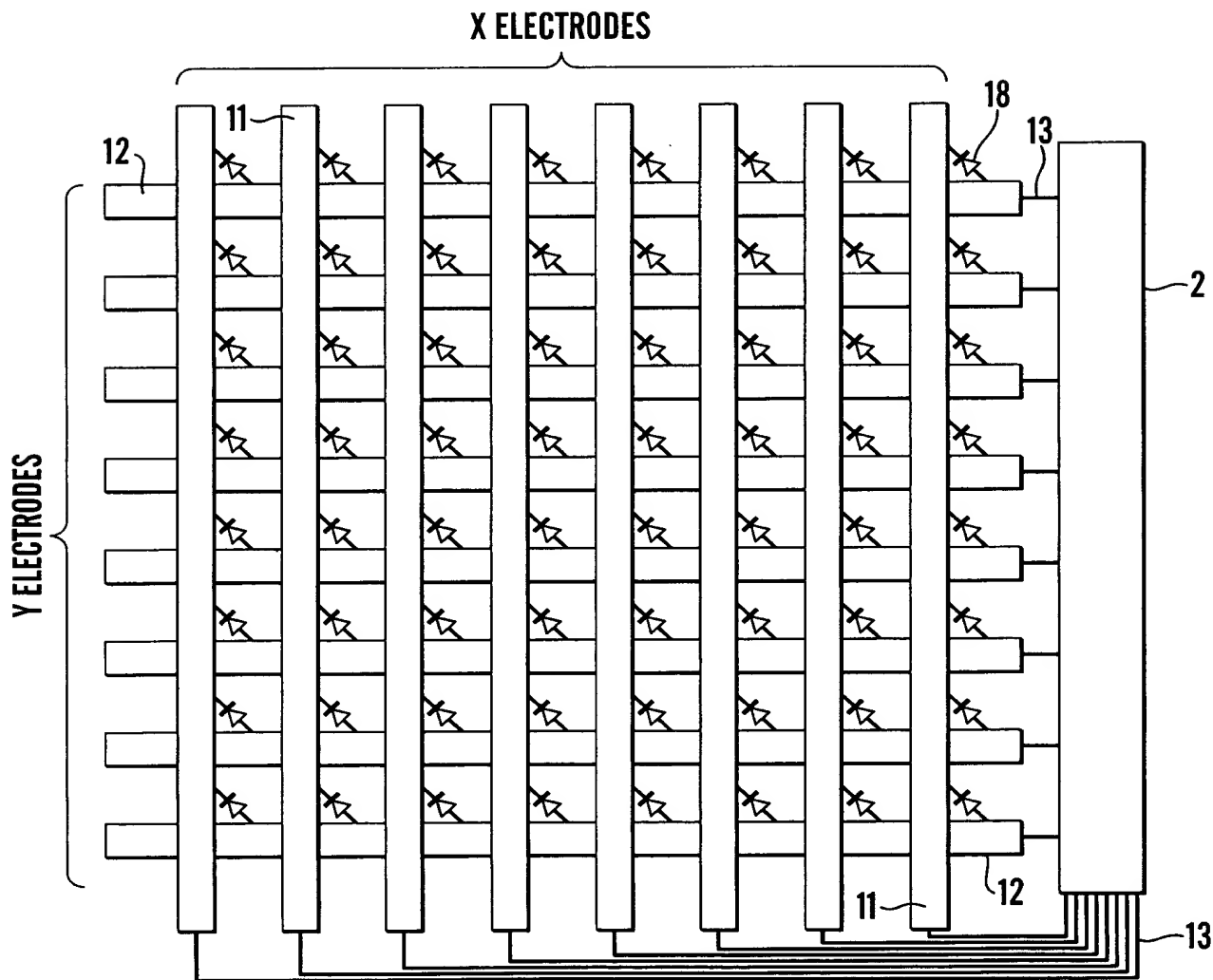


Fig. 10

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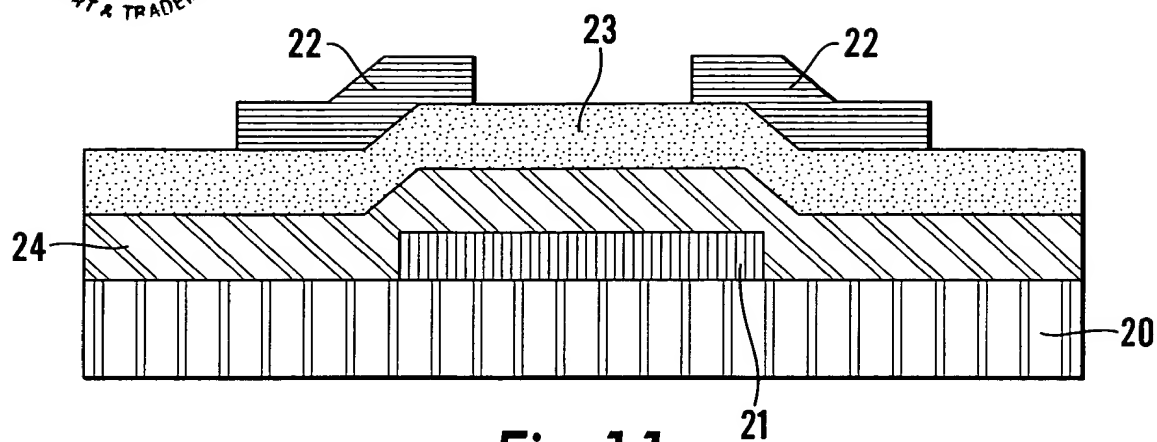


Fig. 11

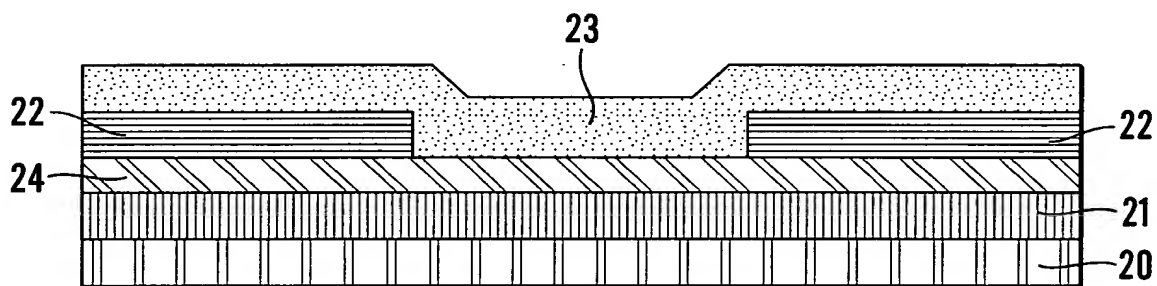


Fig. 12

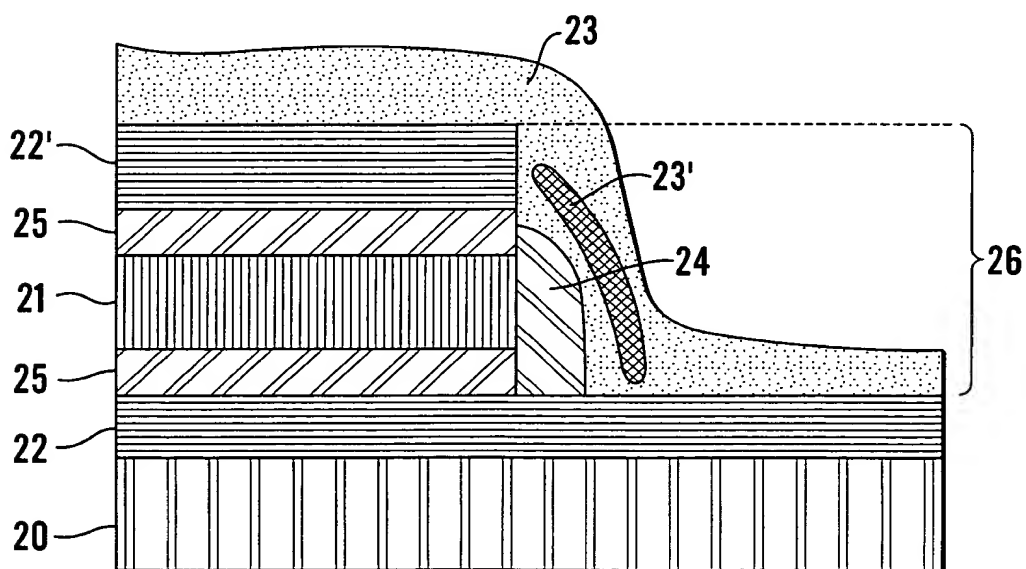


Fig. 13



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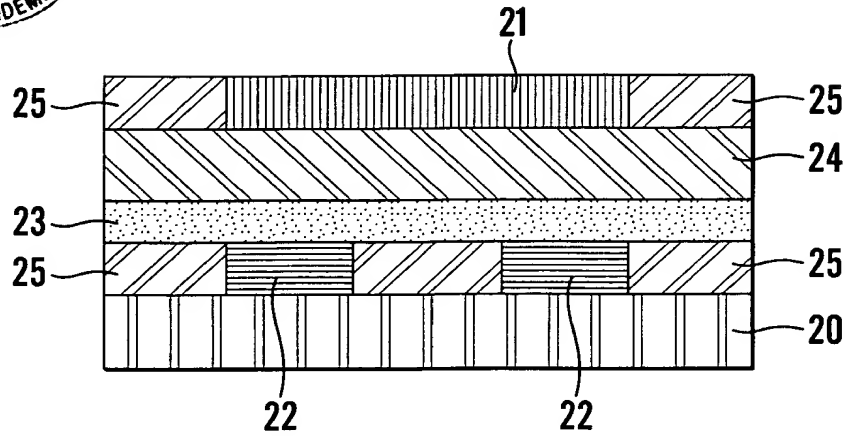



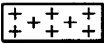



Fig. 14

LEGEND TO FIGS. 15-21

-  ISOLATING
-  SEMICONDUCTING
-  p-TYPE SEMICONDUCTING
-  n-TYPE SEMICONDUCTING
-  CONDUCTING, ELECTRODES



HORIZONTAL AND VERTICAL
CONDUCTING PATH (Δ , UP; ∇ , DOWN)

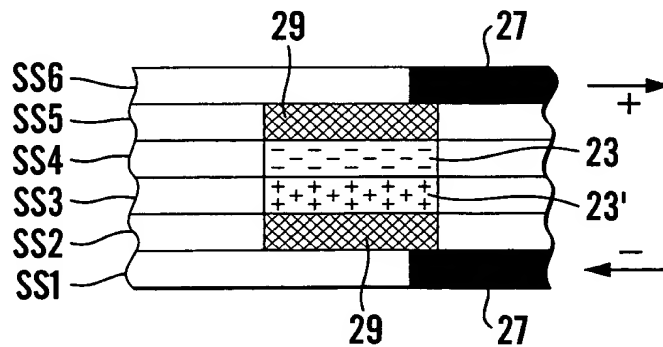
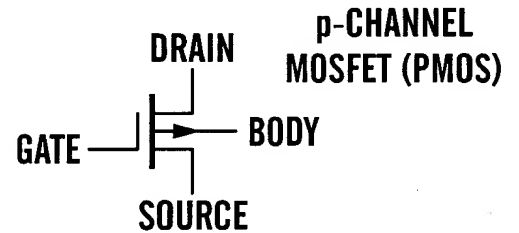
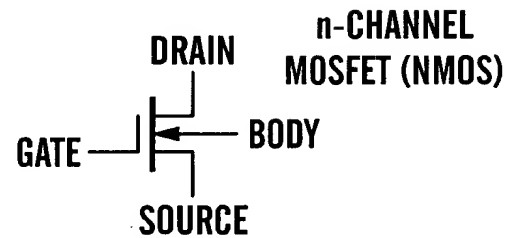


Fig. 15



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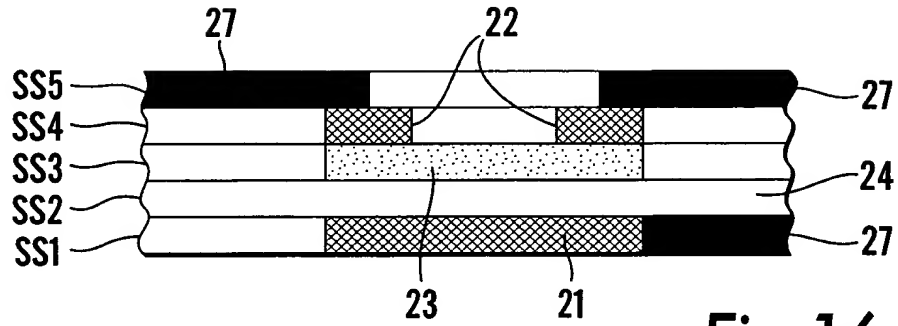


Fig. 16

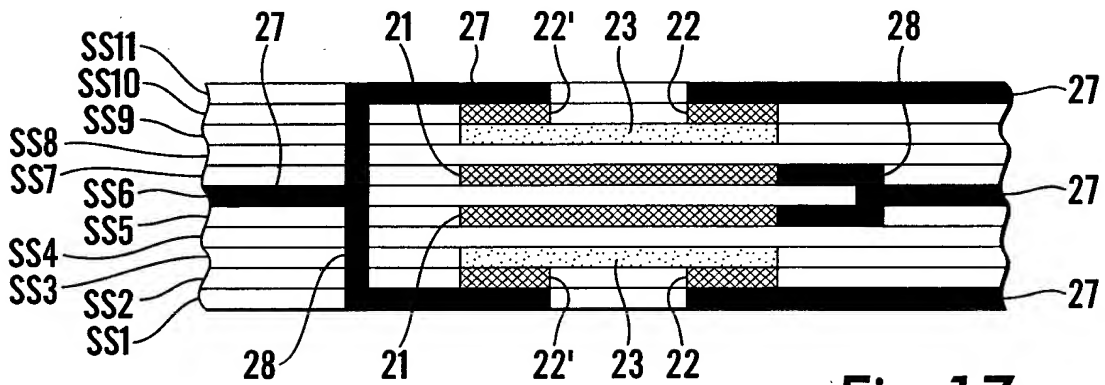


Fig. 17a

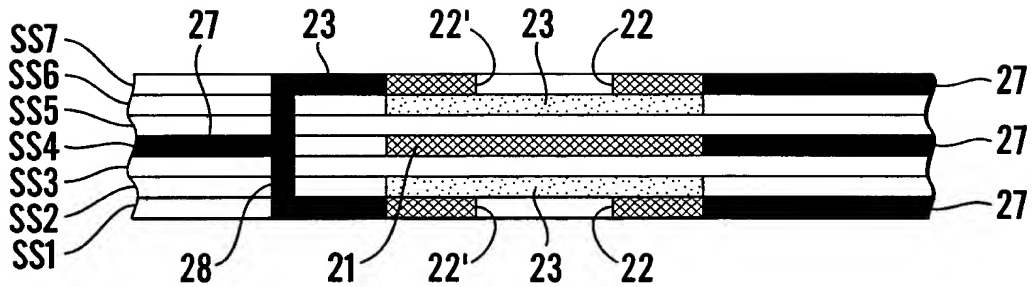


Fig. 17b

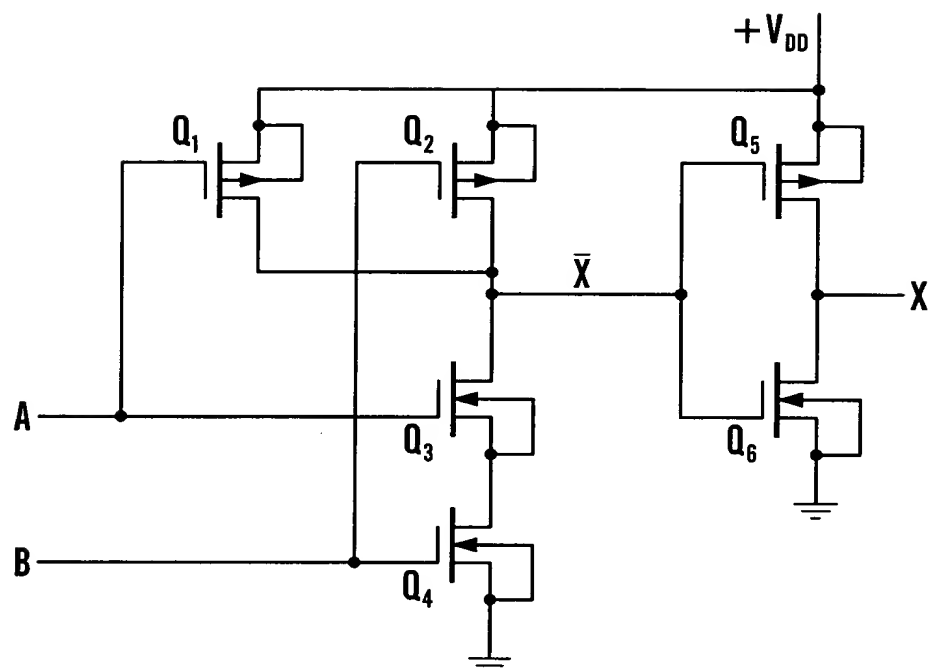


Fig. 18

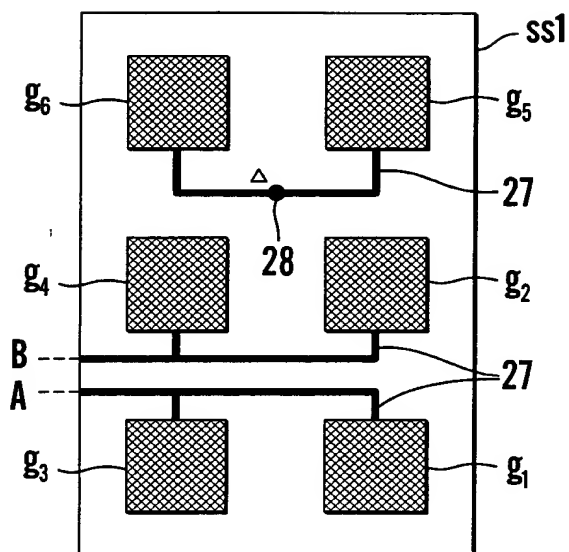


Fig. 19a

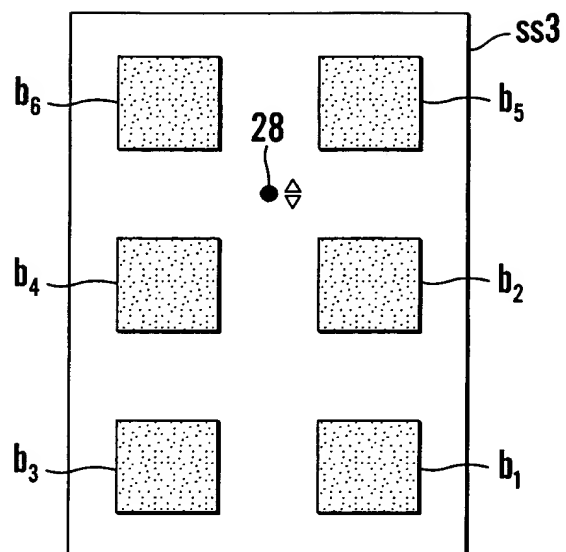


Fig. 19b

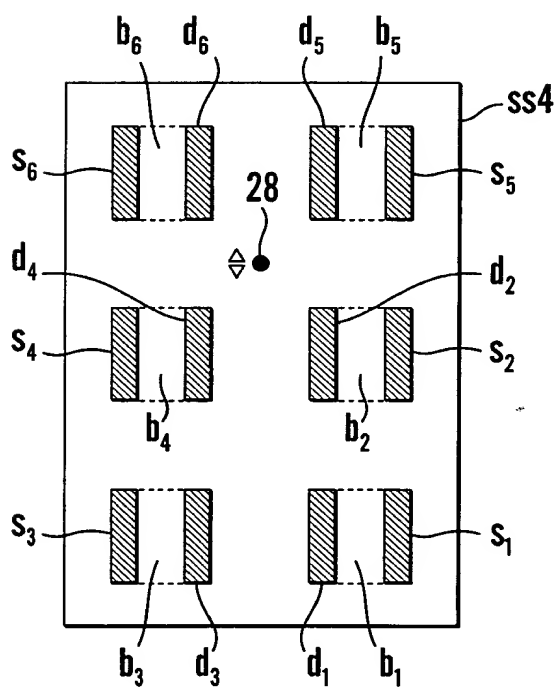


Fig. 19c

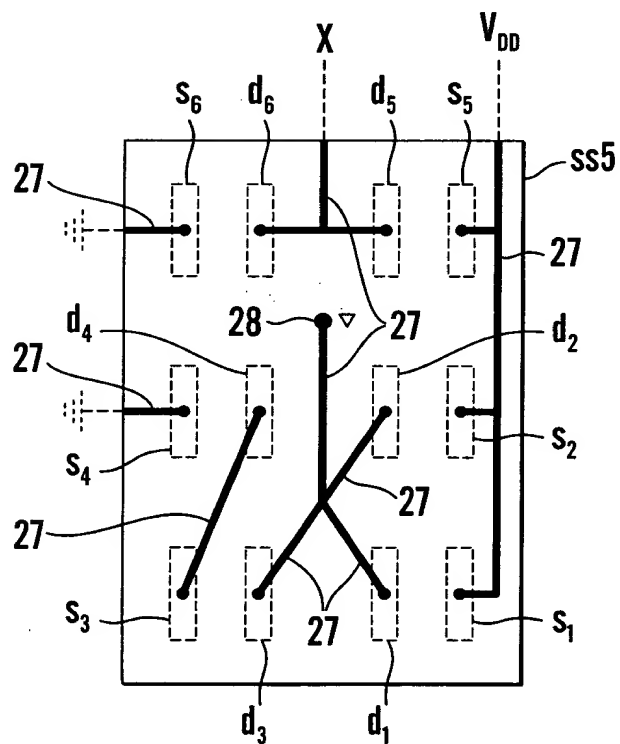


Fig. 19d

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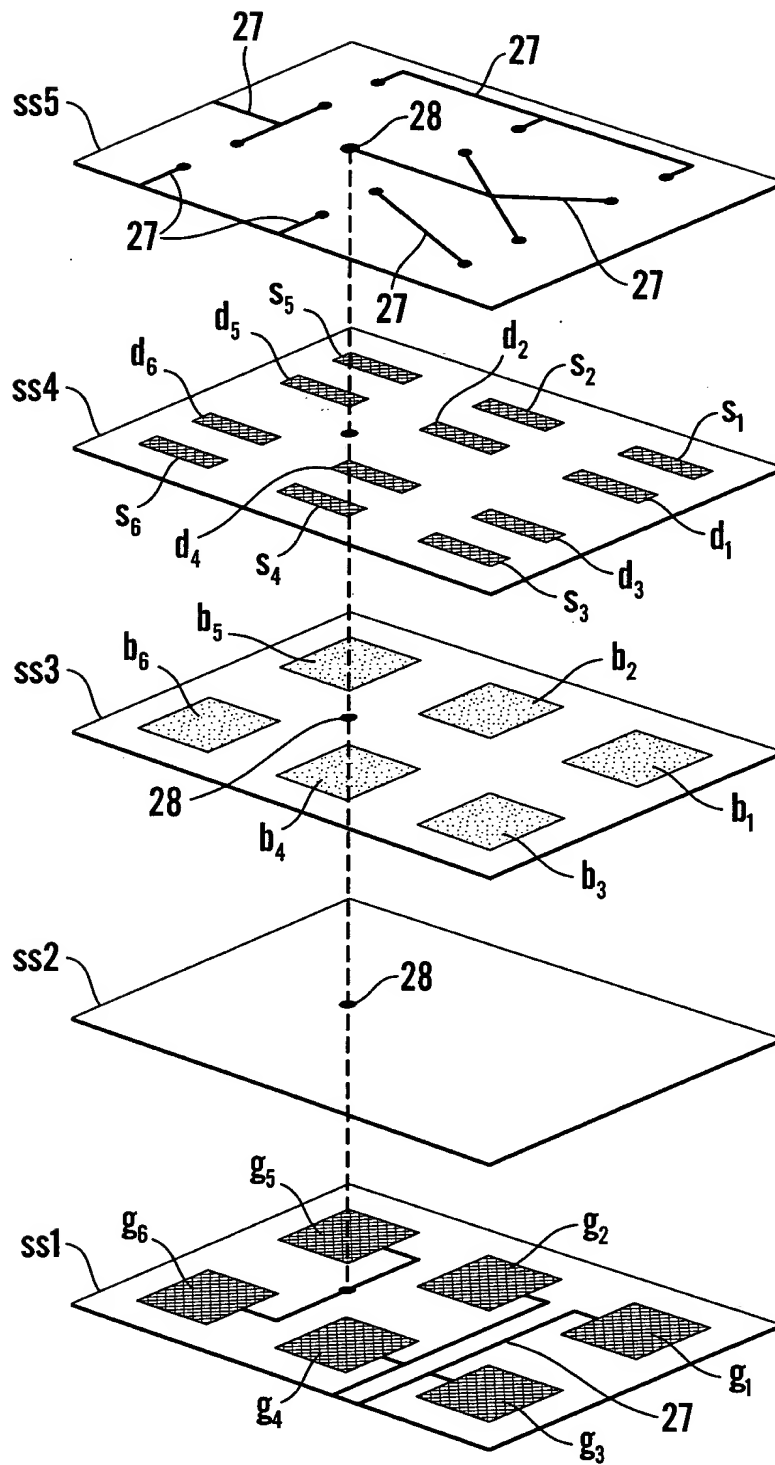


Fig.20

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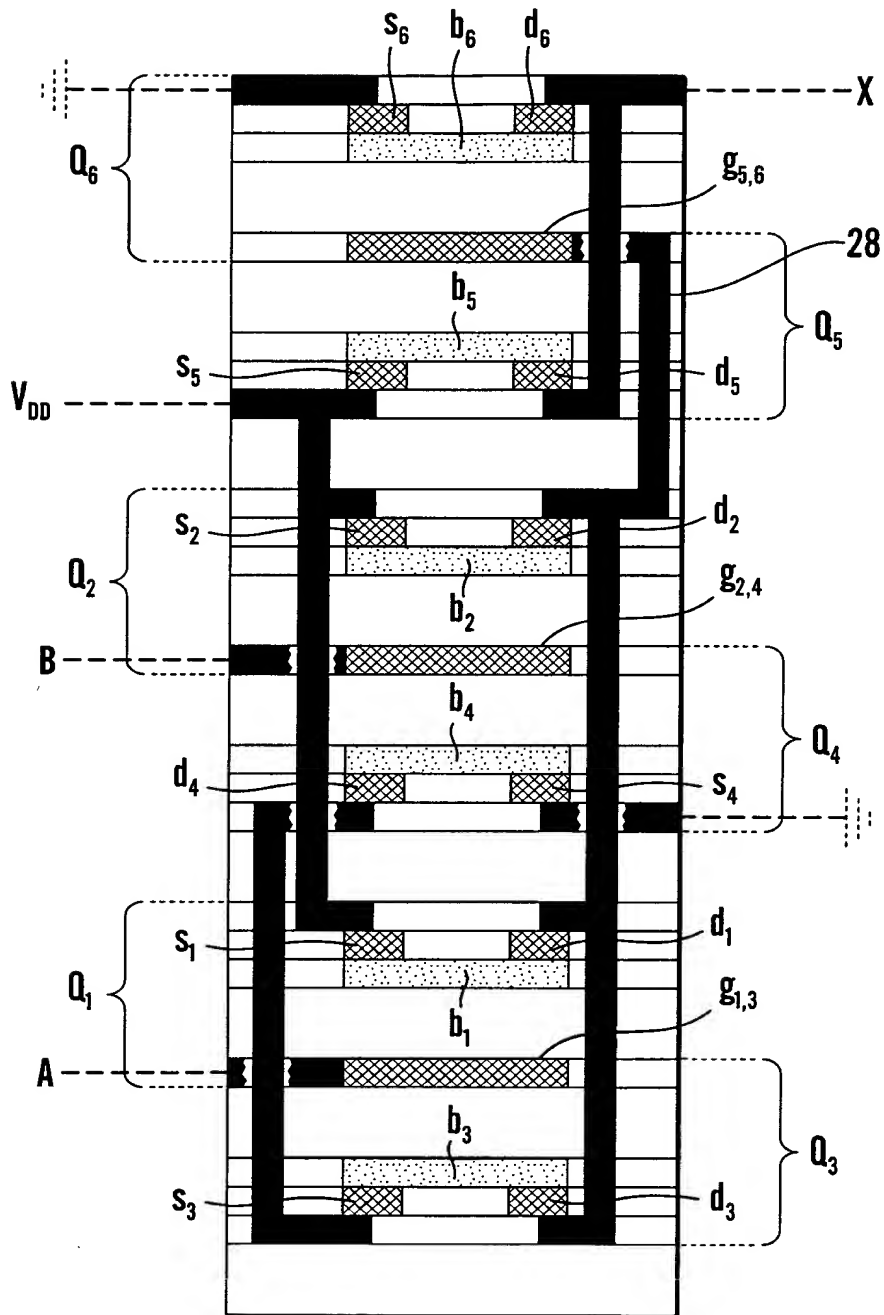


Fig.21a

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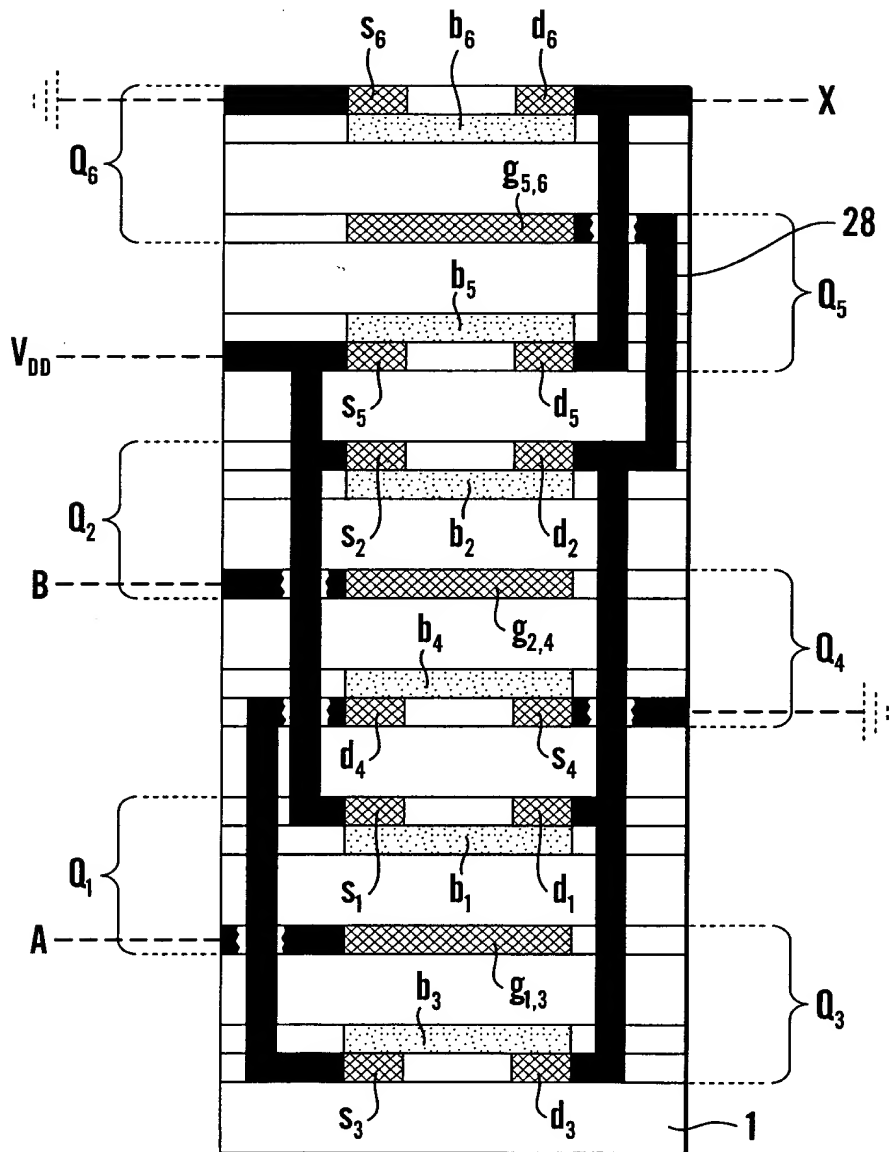


Fig.21b

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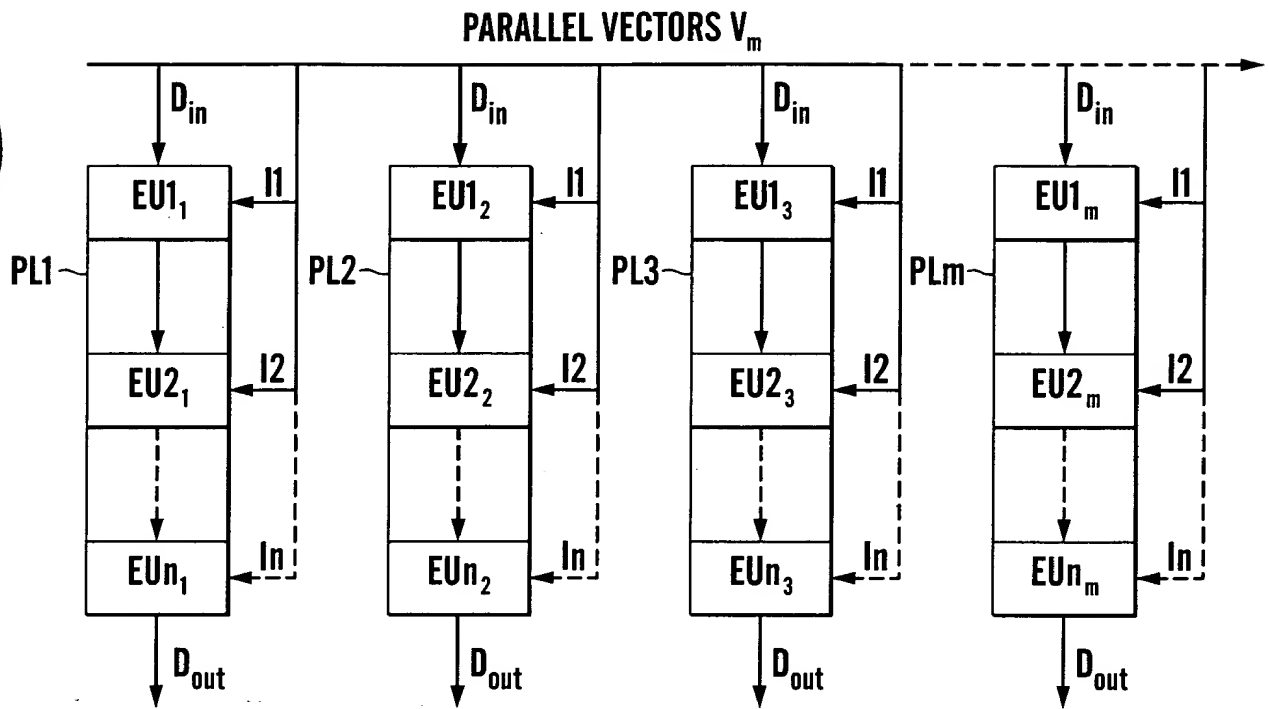


Fig.22

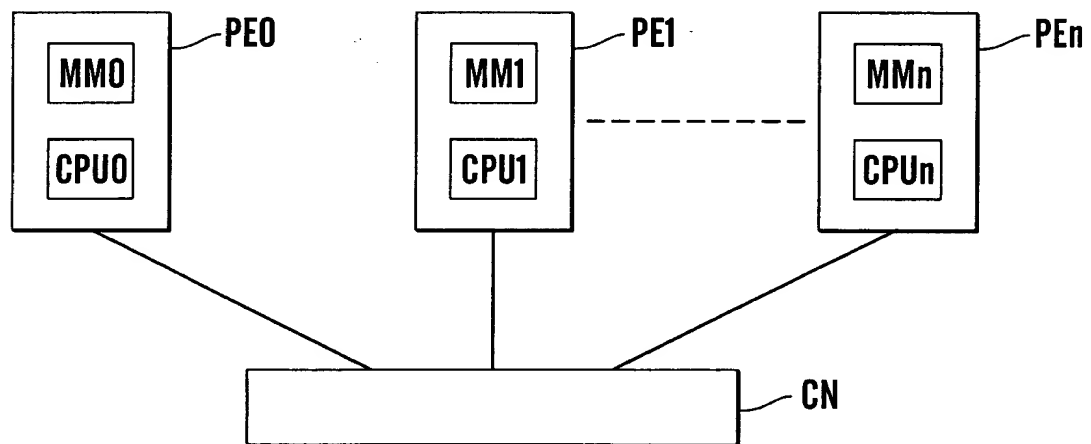


Fig.23

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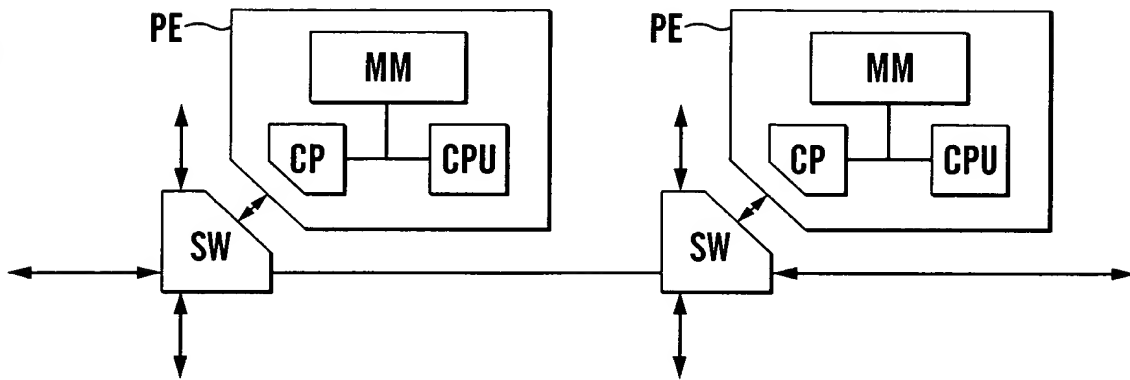


Fig. 24

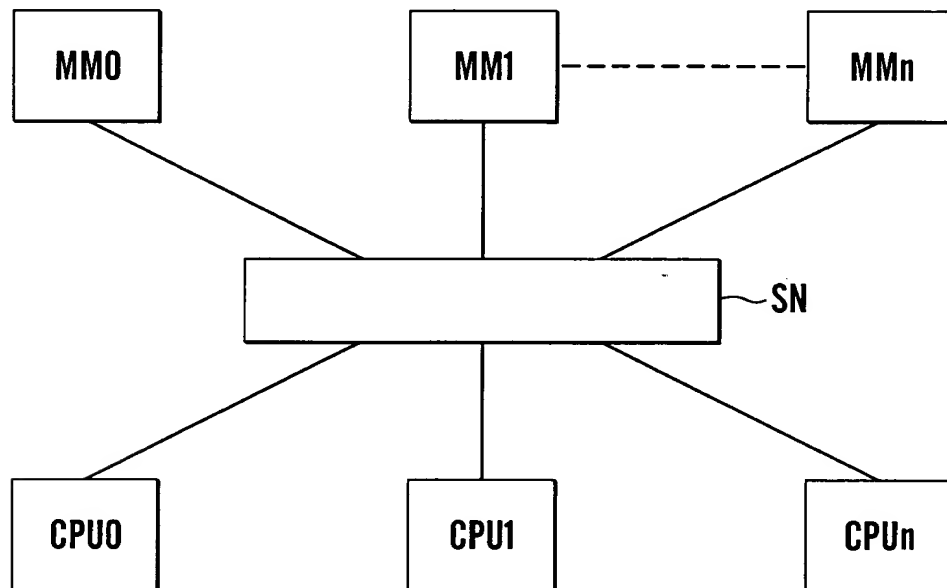


Fig. 25

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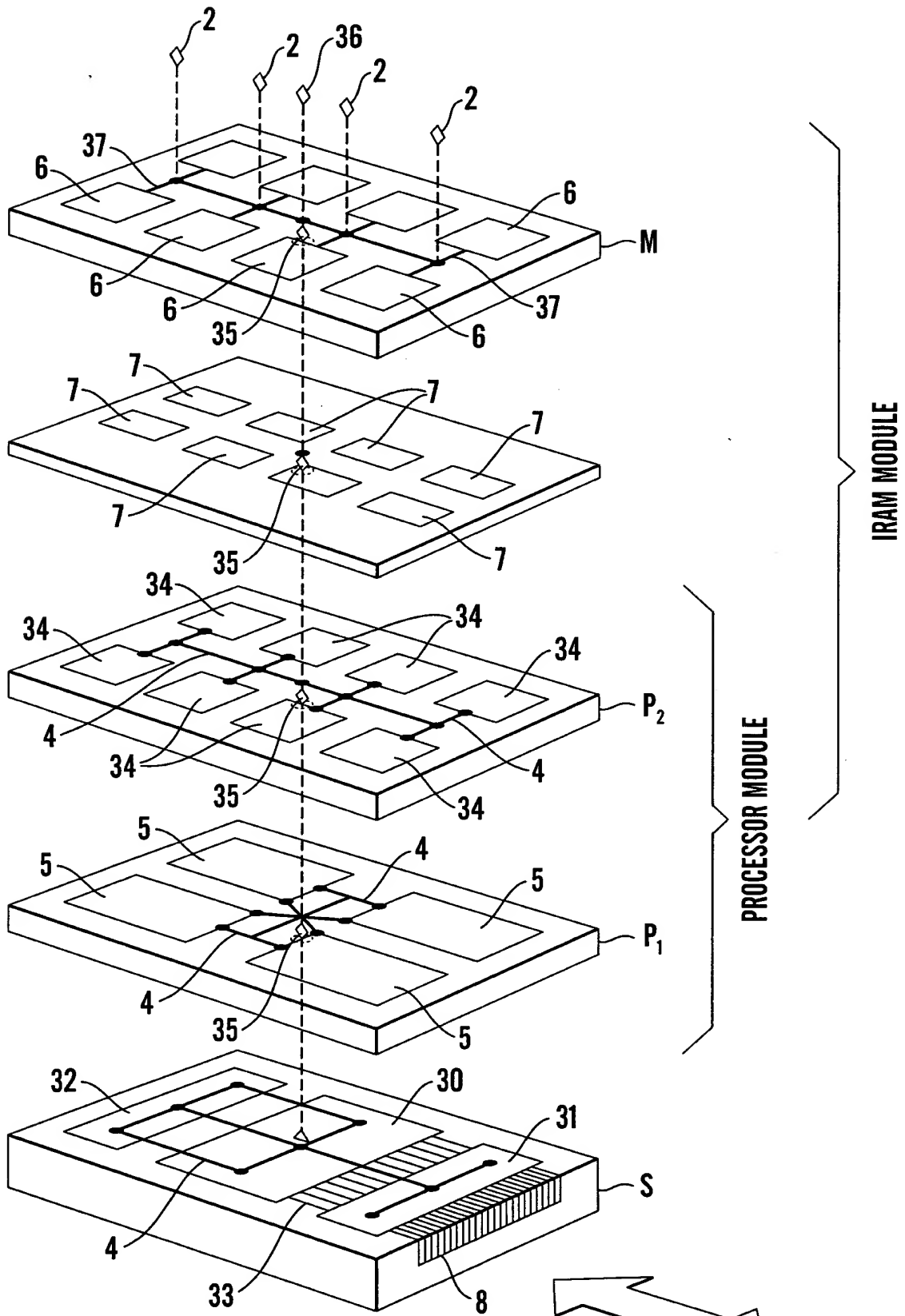


Fig.26